

[54] **APPARATUS FOR DEPOSITING ADHESIVE STRIPS**

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[58] Field of Search **156/497, 517, 519, 523, 156/526, 527, 540, 574, 577, 583.1, 584, 582, 541, 361, 378, 521, 522, 578, 353, 368**

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[57] **ABSTRACT**

In an apparatus for and method of depositing adhesive strips, a ribbon including a layer of adhesive is directed along a predetermined input path. In the first two embodiments, the ribbon is engaged between a measuring roller and a driven roller responsive thereto, and fed into positioning structure. The material on which the adhesive is to be deposited is located between the positioning structure and a head, which can be heated. Separation means is provided adjacent the input path for selectively separating at least a portion of the ribbon to form adhesive strips, after which the strip of adhesive, the material and the head are engaged to effect deposition of the activated adhesive strip onto the material. In a third embodiment, the ribbon is engaged by a feed pulley and directed toward a revolving wheel rotatably interconnected with the feed pulley. The wheel, which can be heated, receives and transports the ribbon along a portion of the periphery thereof to press the activated adhesive into engagement with the adjacent material. Both the feed pulley and the wheel are mounted on a frame which is rotatably supported so that strips of adhesive can be applied in linear or curvilinear fashion. If desired, separation means can be provided between the feed pulley and the wheel for selectively separating at least a portion of the ribbon to form adhesive strips of predetermined lengths.

41 Claims, 8 Drawing Figures

